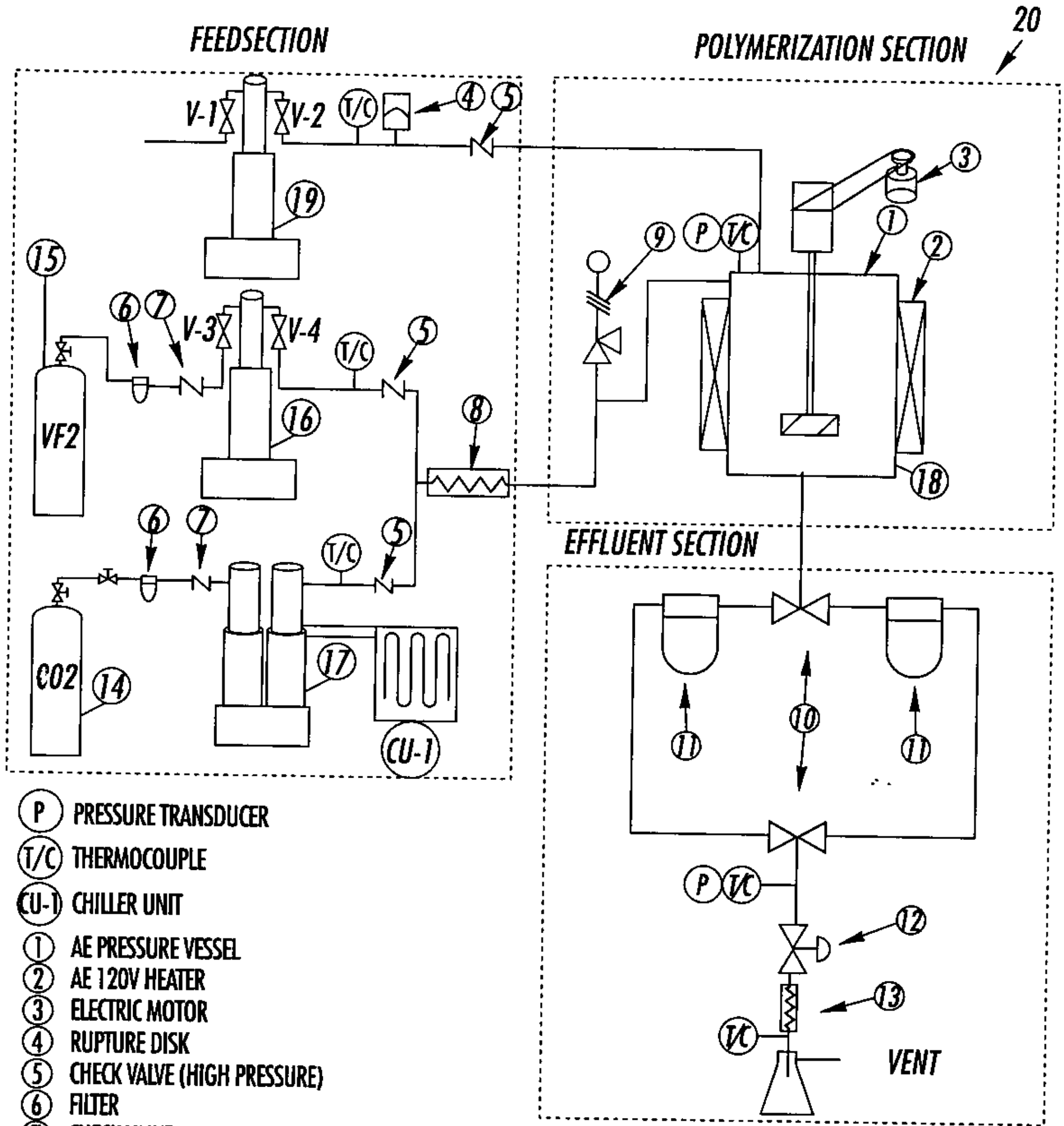

P PRESSURE TRANSDUCER
T/C THERMOCOUPLE
CU-1 CHILLER UNIT
1 AE PRESSURE VESSEL
2 AE 120V HEATER
3 ELECTRIC MOTOR
4 RUPTURE DISK
5 CHECK VALVE (HIGH PRESSURE)
6 FILTER
7 CHECK VALVE (LOW PRESSURE)
8 STATIC MIXER
9 PRESSURE RELIEF VALVE
10 3-WAY BALL VALVES
11 POLYMER FILTER HOUSINGS
12 CONTROL VALVE
13 HEATING CABLE
14 CARBON DIOXIDE
15 MONOMER
16 PUMP
17 PUMP
18 REACTOR
19 PUMP
20 SYSTEM

FIG. 1.

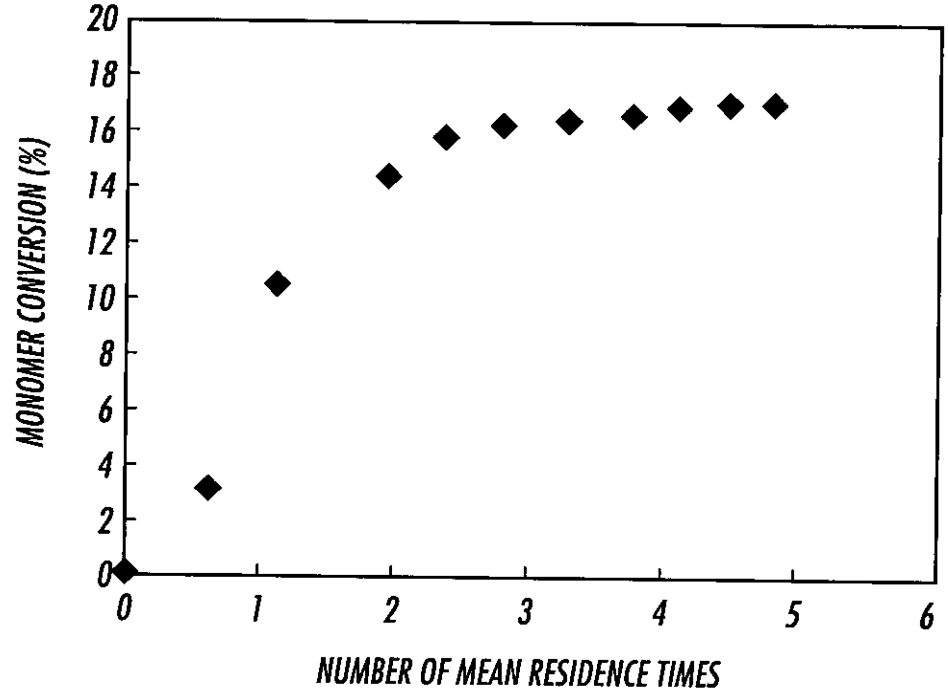

FIG. 2.

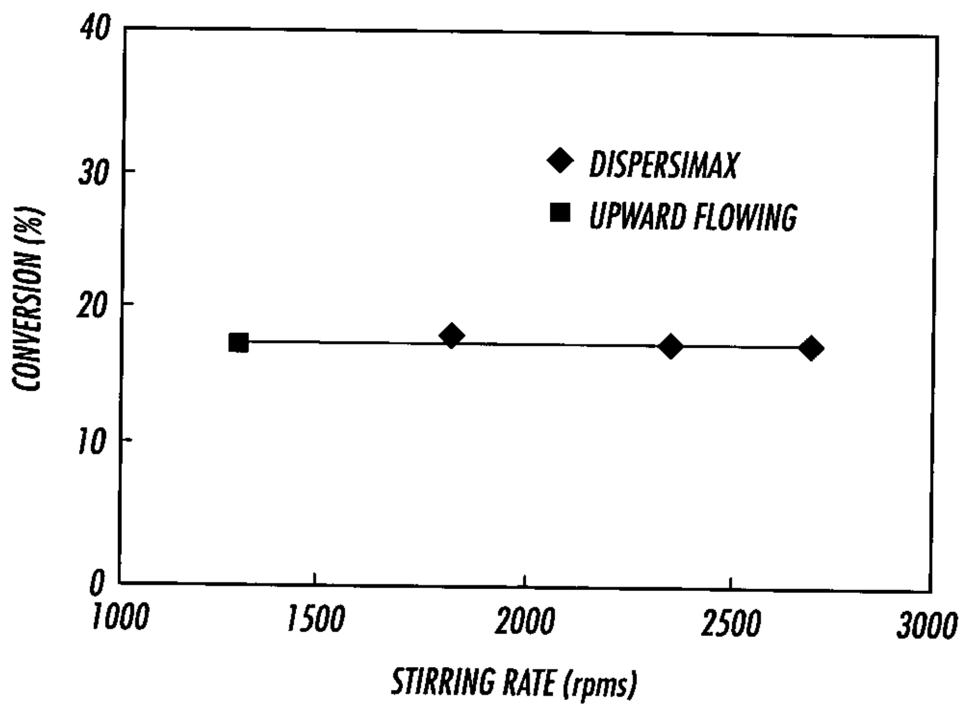

FIG. 3.

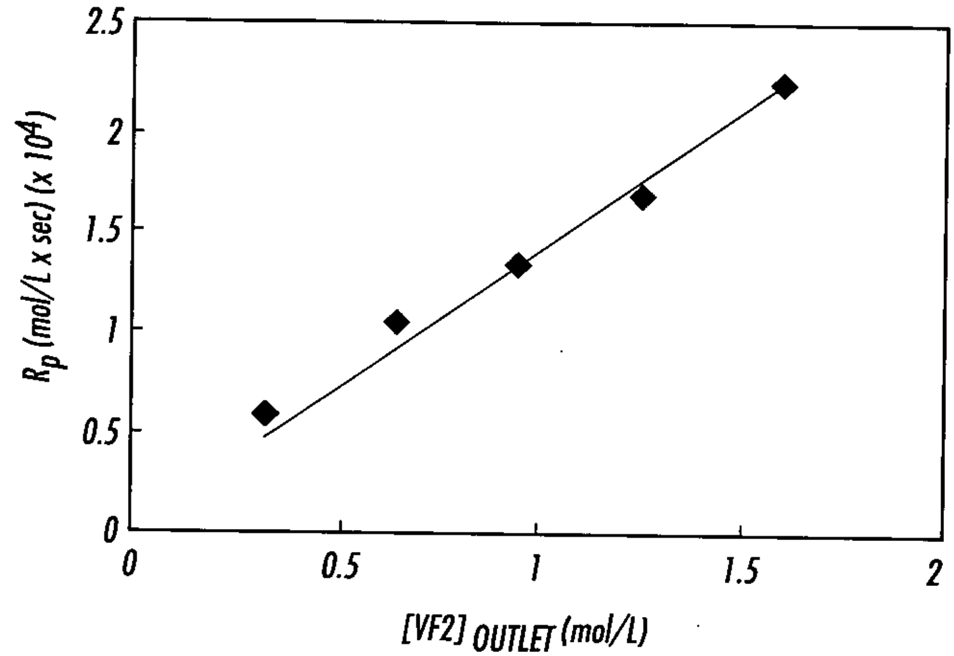

FIG. 4.

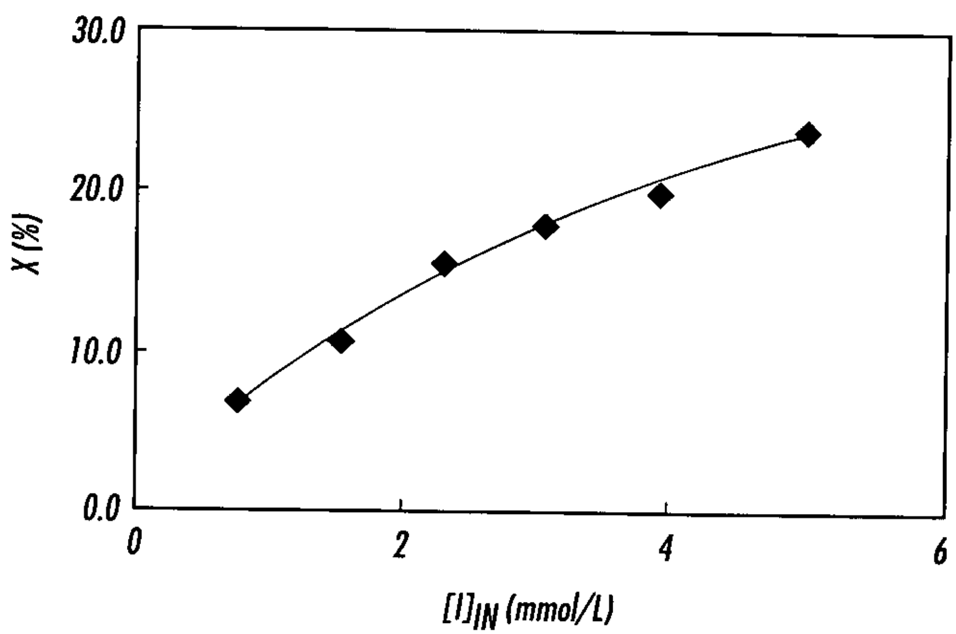

FIG. 5.

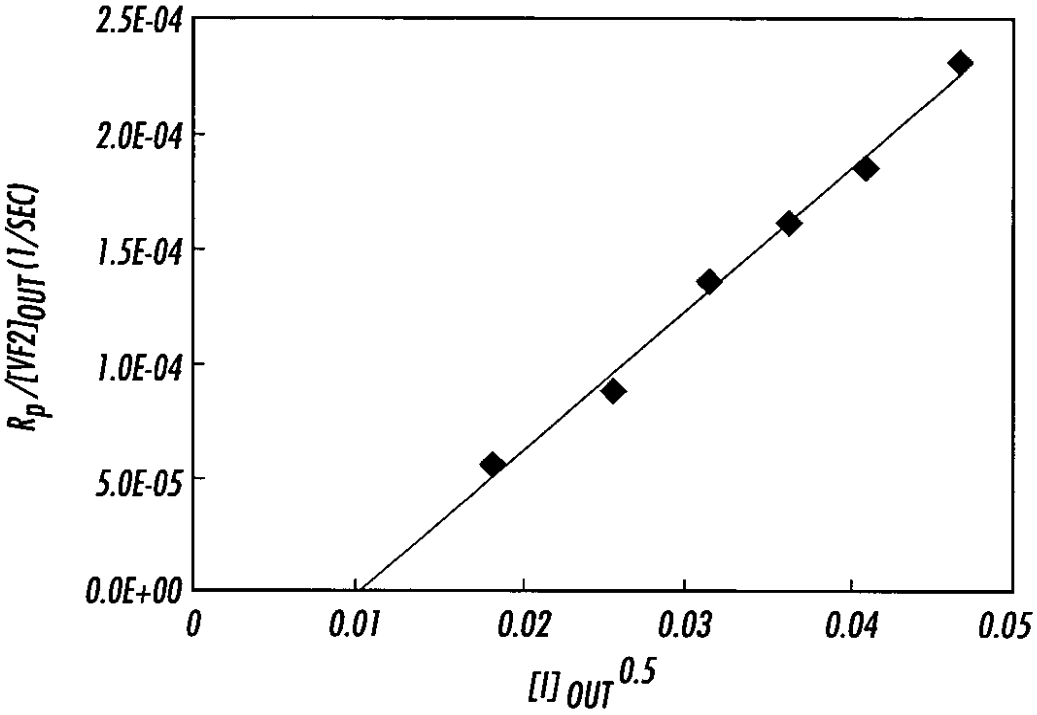
2.5E-04
2.0E-04
1.5E-04
1.0E-04
5.0E-05
0.0E+00
$R_p/[VF2]_{OUT}$ (1/SEC)
0
0.01
0.02
0.03
0.04
0.05
$[I]_{OUT}^{0.5}$

FIG. 6.

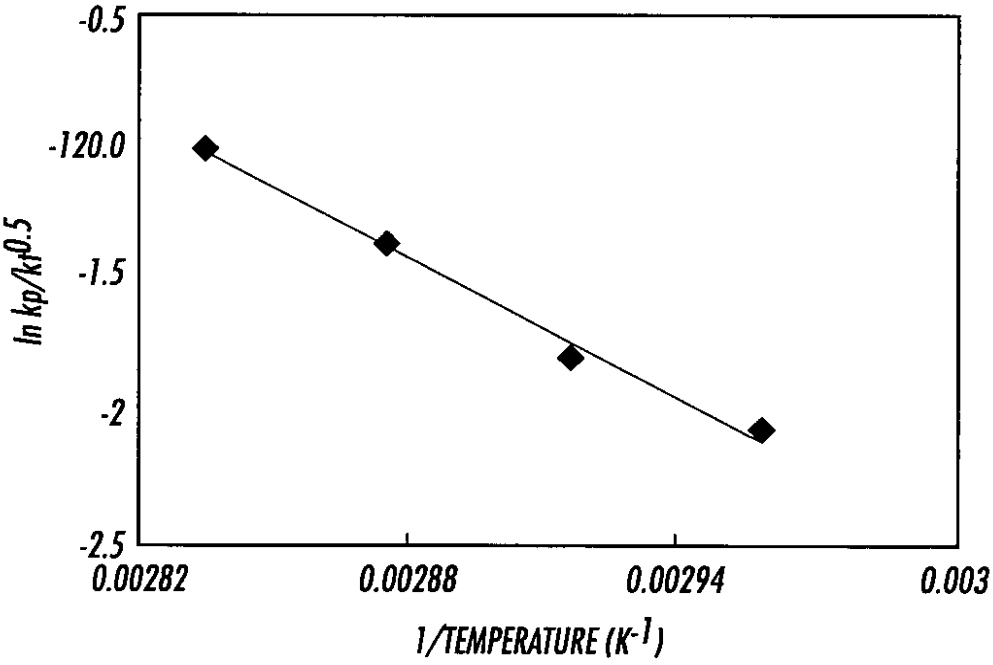
-0.5
-120.0
-1.5
-2
-2.5
$\ln k_p/k_t^{0.5}$
0.00282
0.00288
0.00294
0.003
1/TEMPERATURE (K^{-1})

FIG. 7.

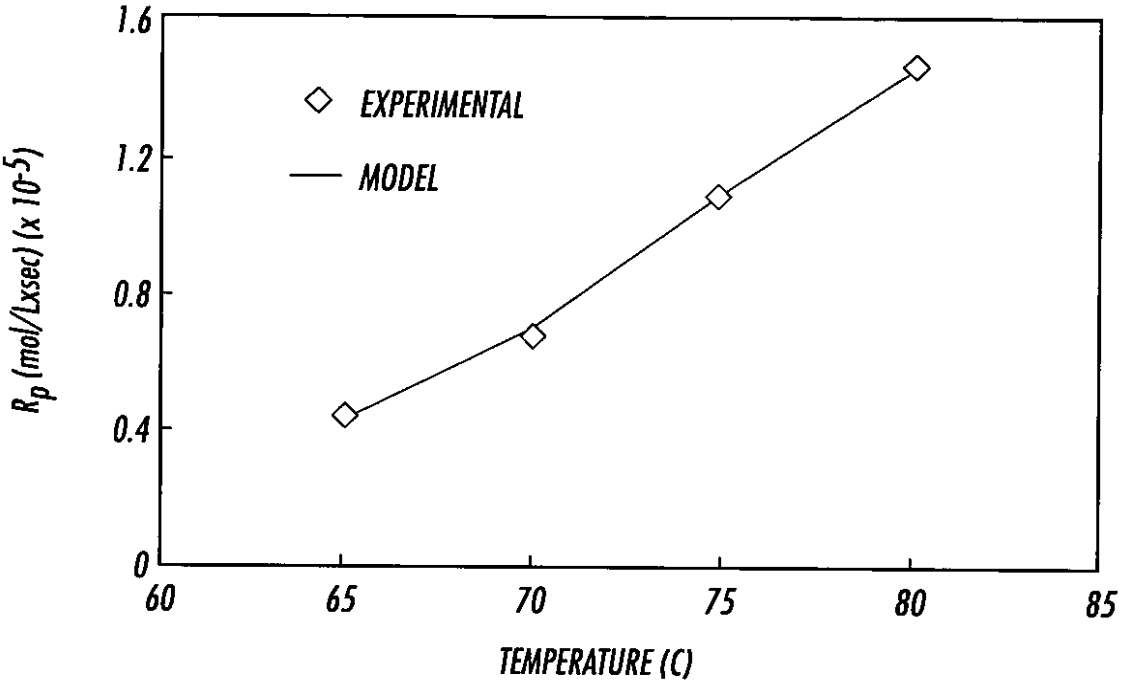
1.6
1.2
0.8
0.4
0
60
65
70
75
80
85
EXPERIMENTAL
MODEL
R_p (mol/Lxsec) (x 10^{-5})
TEMPERATURE (C)

FIG. 8.

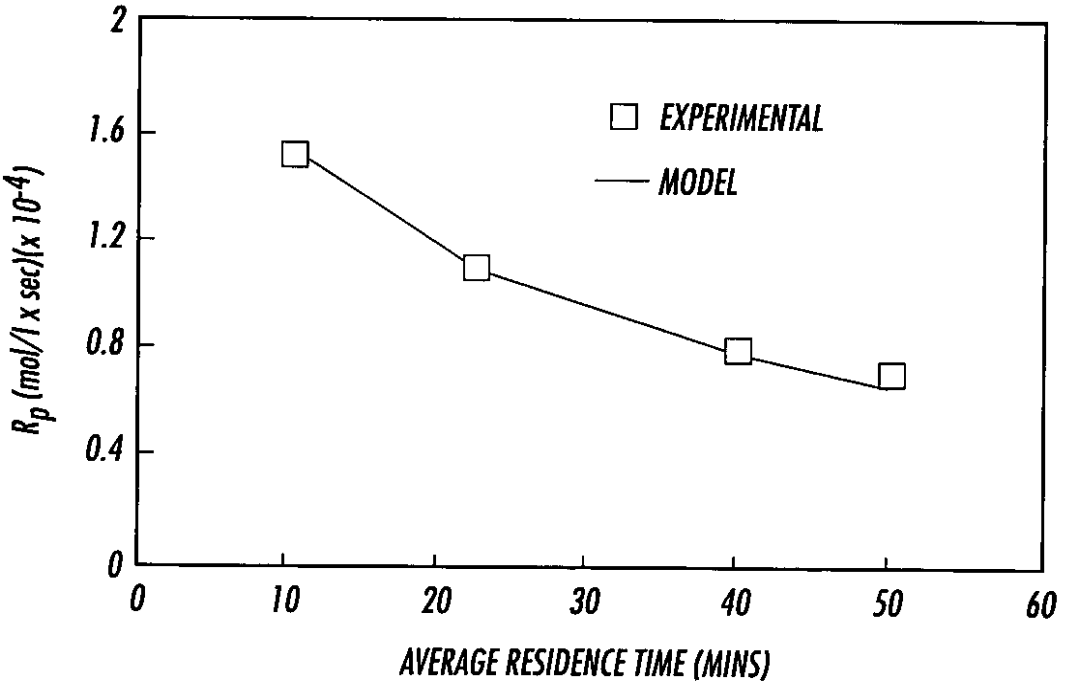
2
1.6
1.2
0.8
0.4
0
0
10
20
30
40
50
60
EXPERIMENTAL
MODEL
R_p (mol/l x sec)(x 10^{-4})
AVERAGE RESIDENCE TIME (MINS)

FIG. 9.

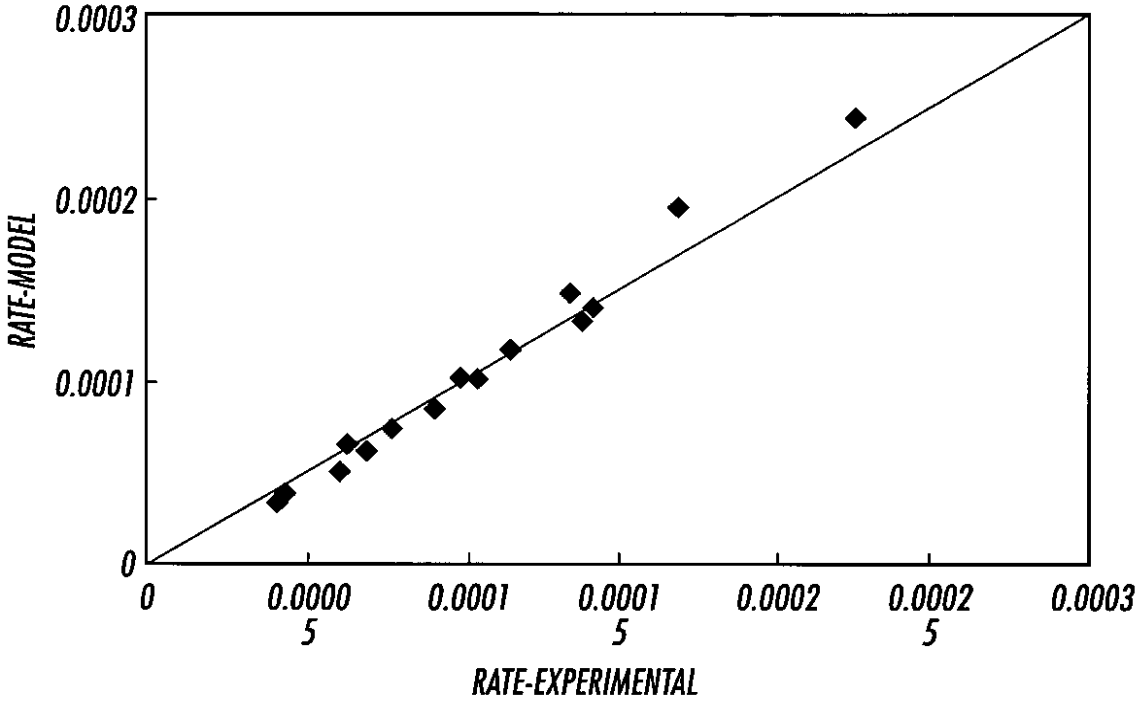
0.0003
0.0002
0.0001
0
RATE-MODEL
0
0.00005
0.0001
0.00015
0.0002
0.00025
0.0003
RATE-EXPERIMENTAL

FIG. 10.

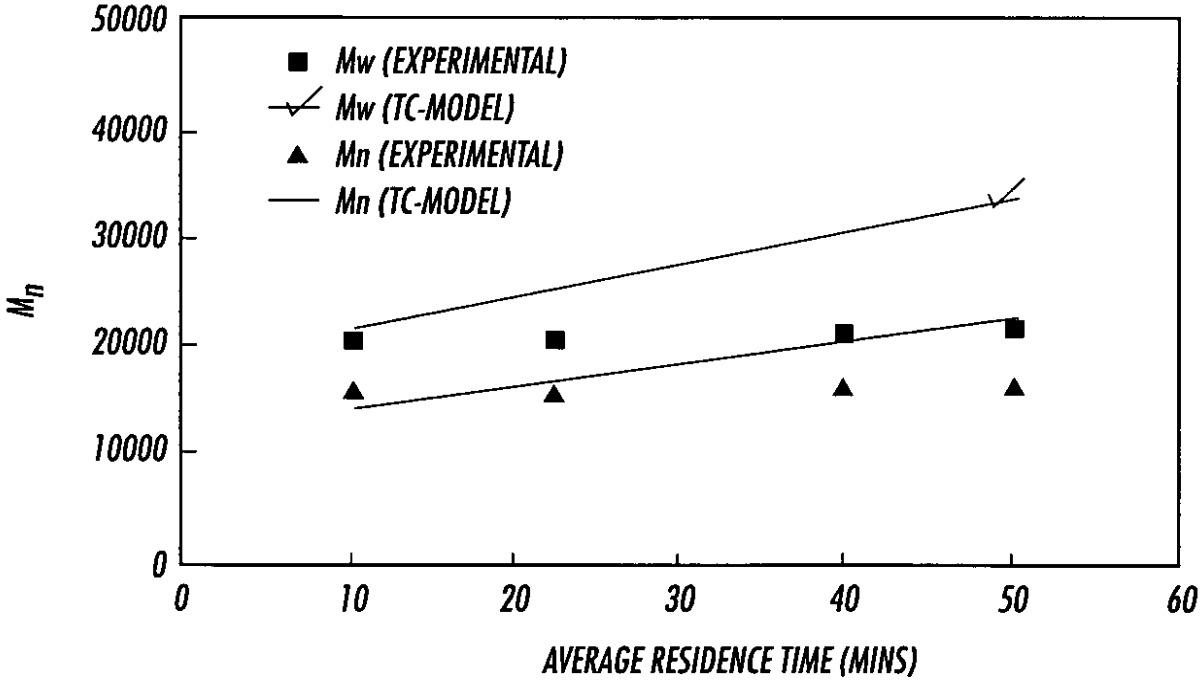
50000
40000
30000
20000
10000
0
M_n
Mw (EXPERIMENTAL)
Mw (TC-MODEL)
Mn (EXPERIMENTAL)
Mn (TC-MODEL)
0
10
20
30
40
50
60
AVERAGE RESIDENCE TIME (MINS)

FIG. 11.

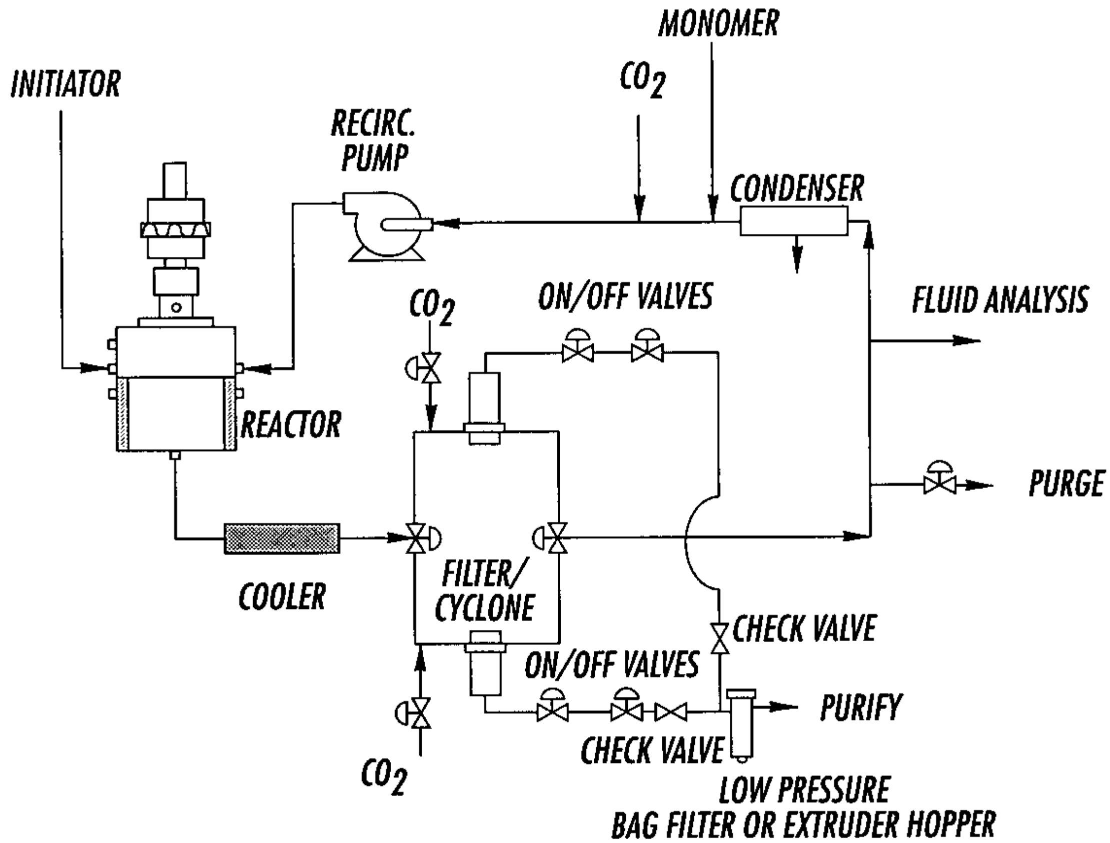

FIG. 12.

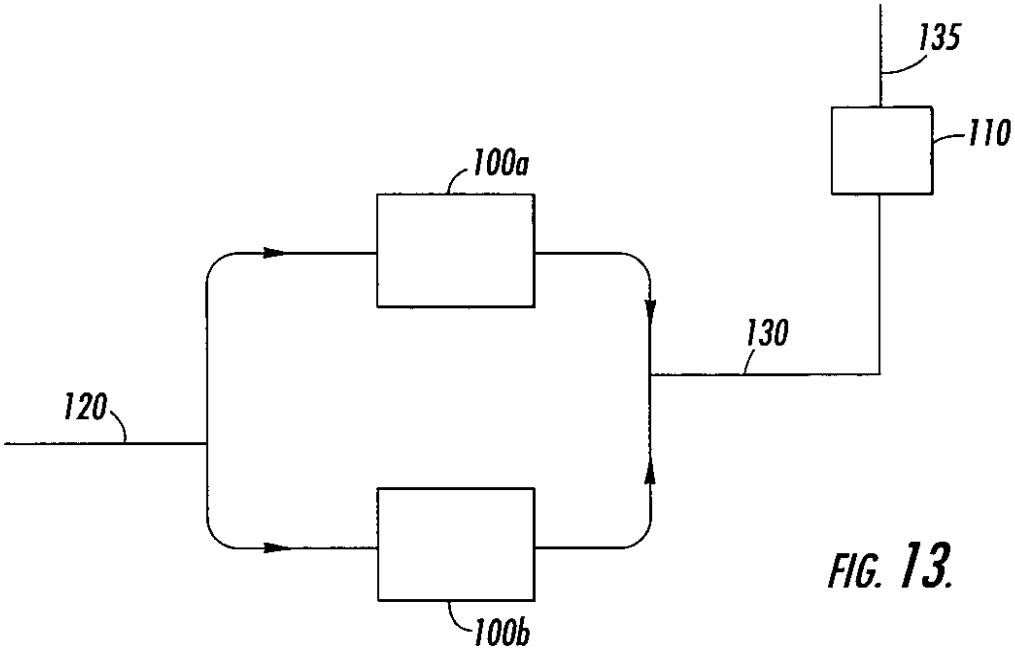

FIG. 13.

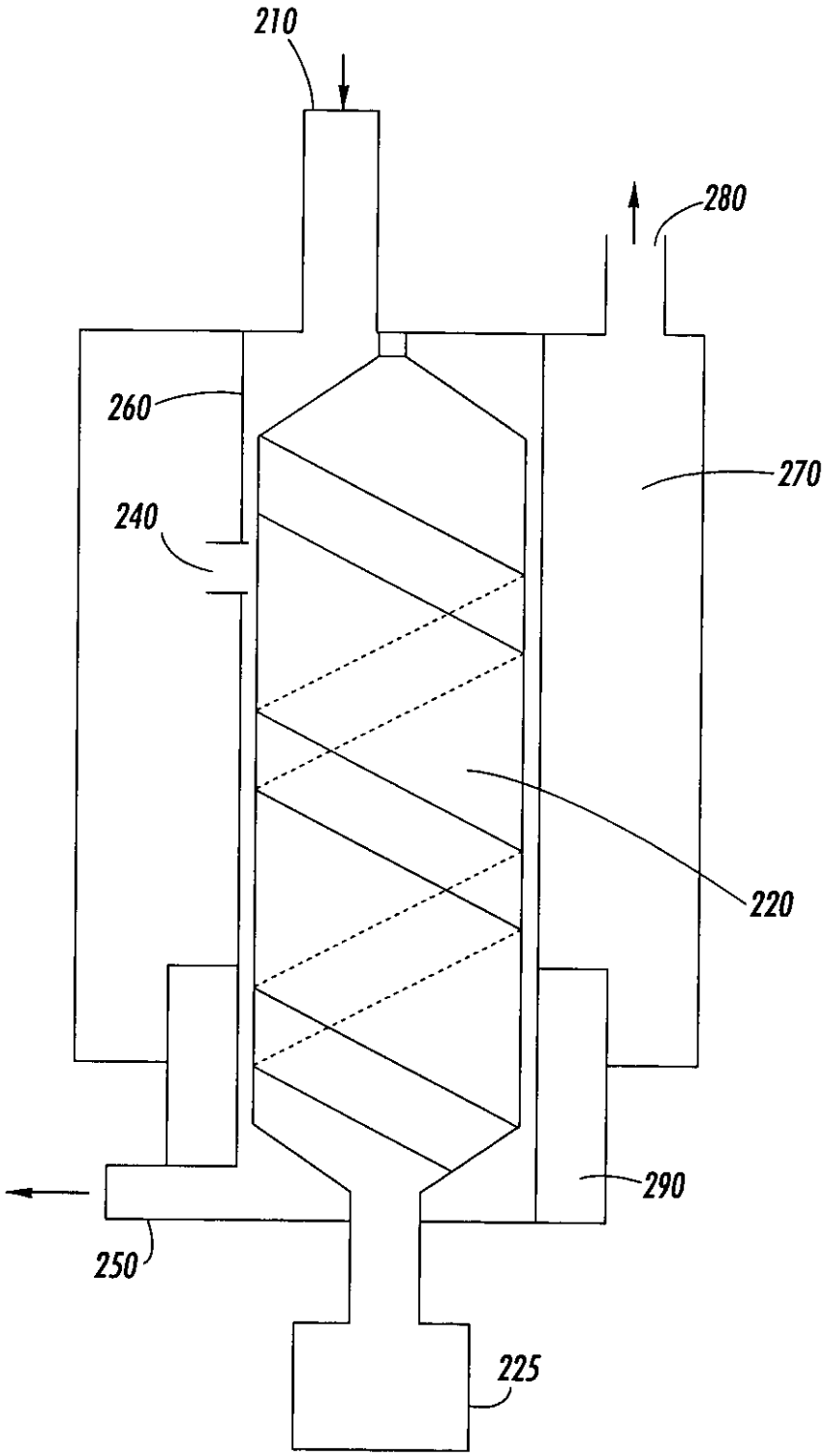

FIG. 14.

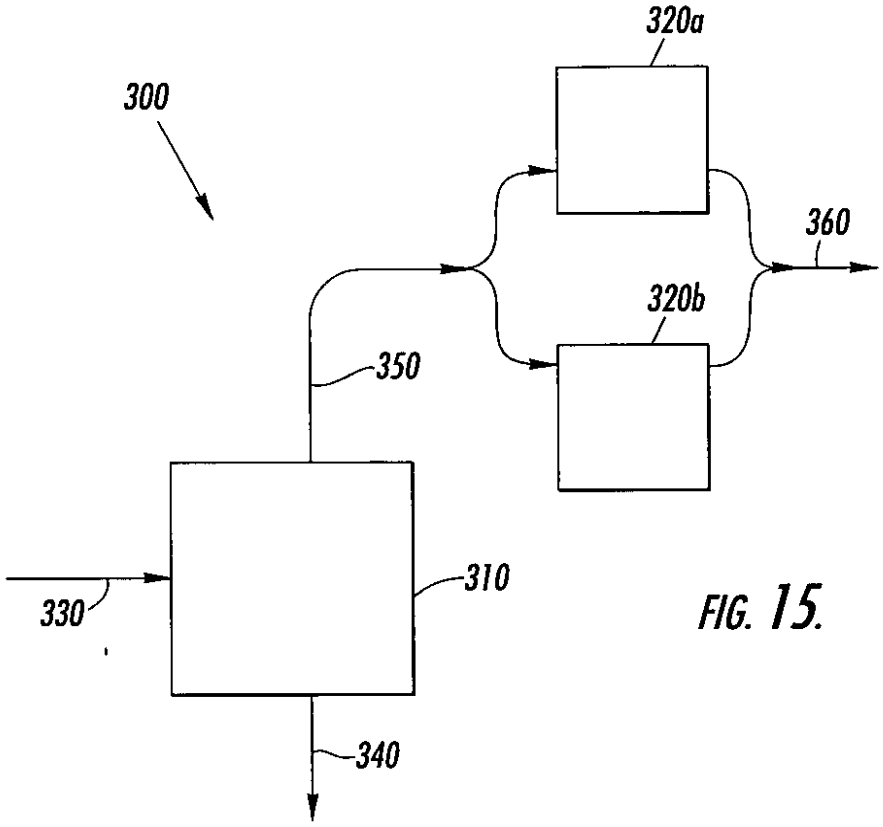

FIG. 15.

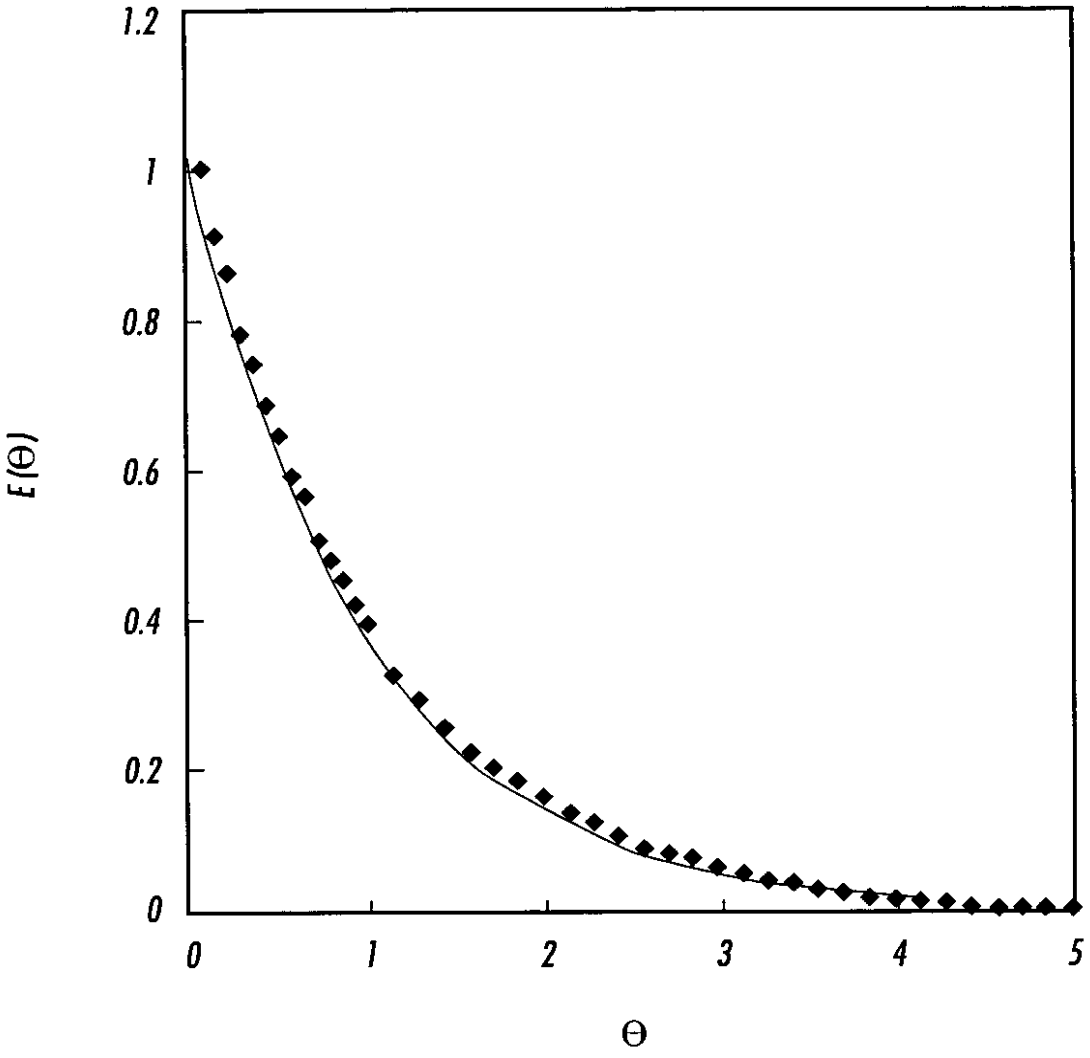

FIG. 16.

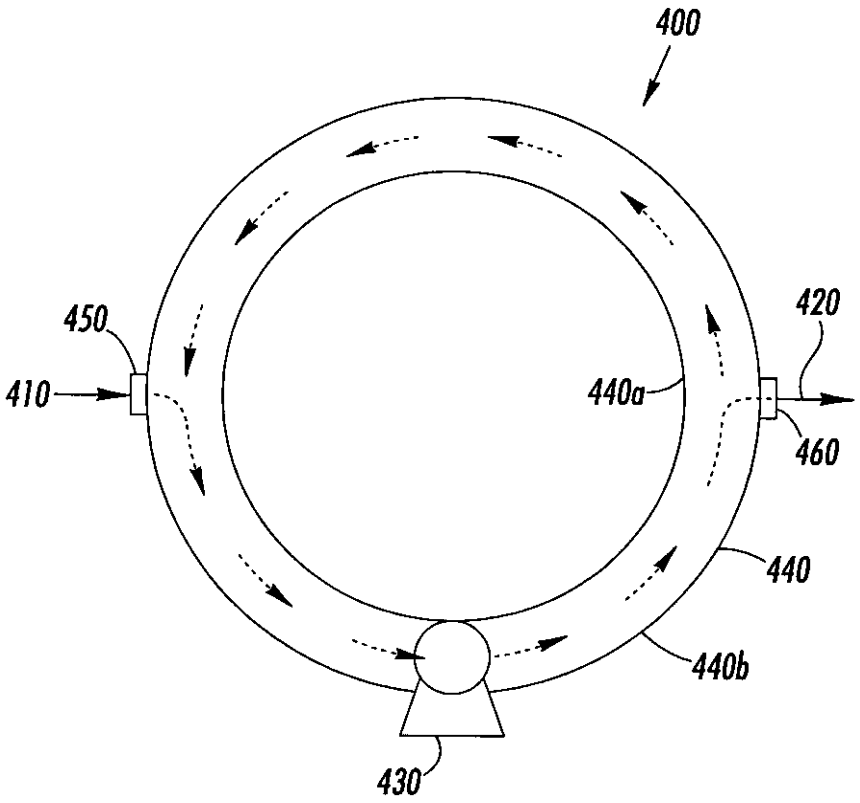

FIG. 17.